

End of Well Report

Well: Schafer CS16

3525 FLS & 595 FEL

Sec. 22-T26S-R14E

Woodson Co., Kansas

API # 15-207-29303

Elevation: 967 est based on surrounding surveyed locations

Drilling Contractor: BAR Drilling LLC

Spud: 12/4/2015

Surface Casing: Set 40.0' of 8 5/8" csg, w/12sx cmt

Under Surface: 12/7/2015

Drilling Fluid: Water and "native" mud and little polymer

Production Bore Hole: 6.75"

Rotary Total Depth (RTD): 1422

Geophysical E-Log(s): CDL and IDL by Osage Wireline 12/9/2015

Production Casing: Run in by BAR Drilling: 1406.00' 4 1/2" w/4' pup jt incld.

Cemented by: Elite Cementing on 12/9/2015 w/150sx.

Total Depth: 1422

FORMATION TOPS

<u>Formation Member</u>	<u>DL/SPL Tops</u>	<u>E-Log (Rdd)</u>	<u>Datum (MSL)</u>
Kansas City	579	579	388.0
Stark SH	667	667	300.0
Hushpuckney SH	708	708	259.0
Base of KC	737	737	230.0
Old DL Base KC	752	752	215.0
Lenapah LS	850	850	117.0
Weiser SS	924	924	43.0
Mulberry Coal	985	985	-18.0
Pawnee LS	993	993	-26.0
Myric Station LS	1009	1009	-42.0
Anna (Lex. Coal Zn) SH	1013	1013	-46.0
Fort Sct LS	1038	1038	-71.0
Little Osage (Sum Coal Zn) SH	1056	1056	-89.0
Excello SH	1071	1071	-104.0
Mulky Coal	1074	1074	-107.0
Squirrel SS	1081	1081	-114.0
Verdigris LS	1150	1150	-183.0
Bevier Coal	1136	1136	-169.0
Croweburg "V" SH	1152	1152	-185.0
Fleming Coal	1191	1191	-224.0
Mineral Coal	1207	1207	-240.0
Scammon Coal	1224	1224	-257.0
Tebo SH	1254	1254	-287.0
Tebo Coal	1258	1258	-291.0
Bartlesville SS	1322	1322	-355.0
Mississippi LS	1421	1421	-454.0